





RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/032,221B

DATE: 10/30/2002

TIME: 15:08:29

Input Set : A:\10_032221.ST25.txt

Output Set: N:\CRF4\10302002\J032221B.raw

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3 <110> APPLICANT: Kalluri, Raghuram
     5 <120> TITLE OF INVENTION: ANTI-ANGIOGENIC PROTEINS AND FRAGMENTS AND METHODS OF USE
THEREOF
     7 <130> FILE REFERENCE: 2312/2082B (formerly 1440.1027-016)
     9 <140> CURRENT APPLICATION NUMBER: US 10/032,221B
    10 <141> CURRENT FILING DATE: 2001-12-21
    12 <150> PRIOR APPLICATION NUMBER: PCT/US01/00565
    13 <151> PRIOR FILING DATE: 2001-01-08
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- 15 <150> PRIOR APPLICATION NUMBER: US 09/625,191 16 <151> PRIOR FILING DATE: 2000-07-21
- 18 <150> PRIOR APPLICATION NUMBER: US 09/543,371
- 19 <151> PRIOR FILING DATE: 2000-04-04
- 21 <150> PRIOR APPLICATION NUMBER: US 09/479,118
- 22 <151> PRIOR FILING DATE: 2000-01-07
- 24 <150> PRIOR APPLICATION NUMBER: US 09/335,224
- 25 <151> PRIOR FILING DATE: 1999-06-17
- 27 <150> PRIOR APPLICATION NUMBER: US 60/126,175
- 28 <151> PRIOR FILING DATE: 1999-03-25
- 30 <150> PRIOR APPLICATION NUMBER: US 60/089,689
- 31 <151> PRIOR FILING DATE: 1998-06-17
- 33 <160> NUMBER OF SEQ ID NOS: 58
- 35 <170> SOFTWARE: PatentIn version 3.1
- 37 <210> SEQ ID NO: 1
- 38 <211> LENGTH: 690
- 39 <212> TYPE: DNA
- 40 <213> ORGANISM: Homo sapiens
- 42 <220> FEATURE:
- 43 <221> NAME/KEY: CDS
- 44 <222> LOCATION: (1)..(687)
- 45 <223> OTHER INFORMATION:

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50	1				5					10					15		
52	gac	cca	cag	tgt	cct	tct	ggg	acc	aaa	att	ctt	tac	cac	ggg	tac	tct	96
53	Asp	Pro	Gln	Cys	Pro	Ser	Gly	Thr	Lys	Ile	Leu	Tyr	His	Gly	Tyr	Ser	
54				20					25					30			
56	ttg	ctc	tac	gtg	caa	ggc	aat	gaa	cgg	gcc	cat	gga	cag	gac	ttg	ggc	144
57	Leu	Leu	Tyr	Val	Gln	Gly	Asn	Glu	Arg	Ala	His	Gly	Gln	Asp	Leu	Gly	
58			35					40					45				
60	acg	gcc	ggc	agc	tgc	ctg	cgc	aag	ttc	agc	aca	atg	ccc	ttc	ctg	ttc	192
61	Thr	Ala	Gly	Ser	Cys	Leu	Arg	Lys	Phe	Ser	Thr	Met	${\tt Pro}$	Phe	Leu	Phe	
62		50					55					60					
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Input Set : A:\10_032221.ST25.txt

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69 Tyr Trp Leu Ser Thr Pro Glu Pro Met Pro Met Ser Met Ala Pro Ile	
70 85 90 95	
72 acg ggg gaa aac ata aga cca ttt att agt agg tgt gct gtg tgt gag	336
73 Thr Gly Glu Asn Ile Arg Pro Phe Ile Ser Arg Cys Ala Val Cys Glu	
74 100 105 110	201
76 gcg cct gcc atg gtg atg gcc gtg cac agc cag acc att cag atc cca	384
77 Ala Pro Ala Met Val Met Ala Val His Ser Gln Thr Ile Gln Ile Pro	
78 115 120 125	420
80 ccg tgc ccc agc ggg tgg tcc tcg ctg tgg atc ggc tac tct ttt gtg	432
81 Pro Cys Pro Ser Gly Trp Ser Ser Leu Trp Ile Gly Tyr Ser Phe Val	
82 130 135 140	480
84 atg cac acc age get ggt gca gaa gge tet gge caa gee etg geg tee	400
85 Met His Thr Ser Ala Gly Ala Glu Gly Ser Gly Gln Ala Leu Ala Ser 86 145 150 155 160	
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88 ccc ggc tcc tgc ctg gag gag ttt aga agt gcg cca ttc atc gag tgt 89 Pro Gly Ser Cys Leu Glu Glu Phe Arg Ser Ala Pro Phe Ile Glu Cys	320
90 165 170 File Tile Giu Cys	
92 cac ggc cgt ggg acc tgc aat tac tac gca aac gct tac agc ttt tgg	576
93 His Gly Arg Gly Thr Cys Asn Tyr Tyr Ala Asn Ala Tyr Ser Phe Trp	370,
94 180 185 190	
96 ctc gcc acc ata gag agg agc gag atg ttc aag aag cct acg ccg tcc	624
97 Leu Ala Thr Ile Glu Arg Ser Glu Met Phe Lys Lys Pro Thr Pro Ser	V = -
98 195 200 205	
100 acc ttg aag gca ggg gag ctg cgc acg cac gtc agc cgc tgc caa gtc	672
101 Thr Leu Lys Ala Gly Glu Leu Arg Thr His Val Ser Arg Cys Gln Val	
102 210 215 220	
	690
102 210 213 220 104 tgt atg aga aga aca taa 105 Cys Met Arg Arg Thr	690
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Input Set : A:\10_032221.ST25.txt

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     148 Pro Cys Pro Ser Gly Trp Ser Ser Leu Trp Ile Gly Tyr Ser Phe Val
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     152 Met His Thr Ser Ala Gly Ala Glu Gly Ser Gly Gln Ala Leu Ala Ser
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                                                  155
     153 145
     156 Pro Gly Ser Cys Leu Glu Glu Phe Arg Ser Ala Pro Phe Ile Glu Cys
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     160 His Gly Arg Gly Thr Cys Asn Tyr Tyr Ala Asn Ala Tyr Ser Phe Trp
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                     180
     164 Leu Ala Thr Ile Glu Arg Ser Glu Met Phe Lys Lys Pro Thr Pro Ser
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     215 ccc atg tgc ccg gtg ggc atg aac aaa ctc tgg agt gga tac agc ctg
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Input Set : A:\10_032221.ST25.txt

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	aac																240
	Asn	Pro	Gly	Asp	Val		Tyr	Tyr	Ala	Ser		Asn	Asp	Lys	Ser		
229						70				-+-	75	~~~	~+~	~~~	~~~	80	288
	tgg Trp						-	-		-	_		-	-	-		200
232	пр	пеп	Ser	1111	85	АІа	FIO	пец	FIO	90	Mec	rio	Val	nia	95	nsp	
	gag	atc	aaq	ccc	_	atc	age	cac	tat		ata	tat	qaq	qcc	_	qcc	336
	Glu																
237			-	100	-			_	105			_		110			
	atc																384
240	Ile	Ala	Ile	Ala	Val	His	Ser		Asp	Val	Ser	Ile	Pro	His	Cys	Pro	
241			115			-		120					125				
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	Ala		Trp	Arg	Ser	Leu	_	Ile	Gly	Tyr	Ser		Leu	Met	His	Thr	
245		130					135				_ 4	140					400
	gcg	-		_	_						_			_		-	480
	Ala 145	Ата	GIÀ	Asp	Gru	150	СТА	GTA	GIII	ser	155	Val	ser	PIO	GTA	160	
	tgt	at a	a a a	~~ ~	++0		aaa	202	CCS	tta		maa	tac	aat	aaa		528
	Cys																320
253	Cys	шеи	GIU	пор	165	nry	MIG	1 ***	110	170	110	O_u	CJD	11011	175	011	
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	Arg			_						_		_					
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259	acc	att	ccc	gag	cag	agc	ttc	cag	ggc	tcg	ccc	tcc	gcc	gac	acg	ctc	624
260	Thr	Ile	Pro	${\tt Glu}$	Gln	Ser	Phe	Gln	Gly	Ser	Pro	Ser	Ala	Asp	Thr	Leu	
261			195					200					205			·	
	aag																672
	Lys		Gly	Leu	Ile	Arg		His	Ile	Ser	Arg		Gln	Val	Cys	Met	
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	aag		-	tga													684
	Lys	Asn	Leu														
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284			_	20					25		_			30			
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Input Set : A:\10_032221.ST25.txt

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303 Glu Ile Lys Pro Tyr Ile Ser Arg Cys Ser Val Cys Glu Ala Pro Ala
                100
                                     105
307 Ile Ala Ile Ala Val His Ser Gln Asp Val Ser Ile Pro His Cys Pro
                                120
311 Ala Gly Trp Arg Ser Leu Trp Ile Gly Tyr Ser Phe Leu Met His Thr
                            135
                                                 140
315 Ala Ala Gly Asp Glu Gly Gly Gln Ser Leu Val Ser Pro Gly Ser
                                             155
319 Cys Leu Glu Asp Phe Arg Ala Thr Pro Phe Ile Glu Cys Asn Gly Gly
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                                         170
323 Arg Gly Thr Cys His Tyr Tyr Ala Asn Lys Tyr Ser Phe Trp Leu Thr
324
                                     185
327 Thr Ile Pro Glu Gln Ser Phe Gln Gly Ser Pro Ser Ala Asp Thr Leu
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341 <212> TYPE: DNA
342 <213> ORGANISM: Artificial sequence
344 <220> FEATURE:
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347 <400> SEQUENCE: 7
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359 <400> SEQUENCE: 8
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366 <213> ORGANISM: Homo sapiens
368 <220> FEATURE:
369 <221> NAME/KEY: CDS
370 <222> LOCATION: (1)..(732)
371 <223> OTHER INFORMATION:
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RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/10/032,221B

DATE: 10/30/2002 TIME: 15:08:30

Input Set : A:\10_032221.ST25.txt

Output Set: N:\CRF4\10302002\J032221B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:45; Xaa Pos. 1,2,5,9,11,14

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/032,221B

DATE: 10/30/2002 TIME: 15:08:30

Input Set : A:\10_032221.ST25.txt

Output Set: N:\CRF4\10302002\J032221B.raw

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